CURTIS WONG

(415) 990-6637 | curtiswong9990@gmail.com | Portfolio

SKILLS

Languages: JavaScript, TypeScript, Python, HTML, CSS, SQL, Bash, Java
Frameworks: React.js, Node.js, Flask, Next.js, Sass, Tailwind CSS, Bootstrap, Express.js
Tools: AWS Lambda, AWS DynamoDB, AWS S3, PostgreSQL, MongoDB, Material, Postman, Docker, Jenkins, Jest, OpenAI

EDUCATION

University of California, Berkeley | Berkeley, CA   August 2020 - December 2022
Bachelor of Arts, Data Science

EXPERIENCE

Fullstack Engineer, Nighthawk | Dublin, CA   February 2024 - May 2024
- Created an MVP full-stack agronomist chatbot using React, Python, and AWS, optimized for robust agricultural context, which secured substantial funding through fundraising demo.
- Leveraged Large Language Models (LLMs) and Retrieval-Augmented Generation (RAG) techniques to embed and analyze multiple PDFS, enhancing farm product recommendations.
- Conducted comprehensive data analysis on thousands of agricultural products using Python and SQL, gaining deeper insights and enhancing accuracy and relevance of generated responses.

Fullstack Engineer Intern, Verdant Robotics | Hayward, CA   May 2023 - September 2023
- Developed a React geographic visualization interface for mapping and visualizing 20,000+ geospatial data points, facilitating logistical stand count summaries and high-resolution image displays.
- Implemented a real-time endpoint, increasing operational efficiency by 25% by delivering critical metrics to our robotic fleet, utilizing Python, AWS Lambda, and PostgreSQL.
- Enhanced vegetation data collection in the field with a user-friendly application interface, improving data accuracy and customer satisfaction for 12+ farming clients through optimized UI/UX design.
- Crafted and deployed server-side scripts and database systems to optimize internal tools, accelerating machine learning pipelines, fleet operations, and engineering analysis.

Software Engineer Intern, Rimble | Berkeley, CA   May 2022 - August 2022
- Built the complete frontend of Rimble's React.js web application, boosting user interaction and engagement by leveraging analytics and predictive modeling for competitive esports.
- Developed a React dashboard to visualize game and player metrics 20% faster than before.
- Implemented REST APIs using AWS Lambda, DynamoDB and S3 to visualize machine learning predictions for game analytics.
- Designed a data aggregation system that improved data ingestion speed by 35%.

Fullstack Developer Apprentice, Web Development at Berkeley | Berkeley, CA   January 2022 - May 2022
- Developed the frontend for the course website using React.js, leading to a 25% increase in user engagement through enhanced interactive learning experiences.
- Formed a full-stack web development curriculum for a class of 200+ students per semester, focusing on practical skills in HTML, CSS, and JavaScript.
- Improved course documentation, design layouts, and created assignments that enhanced grading accuracy and overall course experience.